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The Files 17 September 1958

25X1

(Conference Report-Contract NB-301, Task Orders 1, 3, 5, 9, 11 and 12)

1. A conference with engineering representatives of 25X1
was held in the NSA-SP Offices, from 9 to 11 25X1
September 1958. Present at this conference part-time or wholly were: 25X1

2. The primary concern of this conference was the forthcoming proposal for to modify the existing AS-A equipment to the AS-AA configuration and to reduce the bandwidth of the AS-AA and AS-5 from 10.5 kilocycles to 5 kilocycles. The addition of the slow speed redundant teletype operational capability to the AS-AA equipment was also discussed. As a result of the conference discussions, is to submit a proposal to: 25X1 25X1

a. Modify two AS-A systems to the four terminal AS-AA configuration.
b. Incorporate the slow-speed redundant teletype capability in the AS-AA systems.
c. To convert the AS-AA and AS-5 systems to narrow bandwidth CFM through the use of pulse counting.

The splitting of AS-A's to AS-AA's to planned so there will be operational equipment available at Headquarters and overseas at all times. The incorporation of the slow speed operation in the AS-AA systems will be required for compatibility with the AS-5 equipment. Through the use of pulse counting, the bandwidth of CFM can be decreased to 5 kilocycles, an effective noise reduction will also be realized. Although multipath protection will be reduced to 4.1 milliseconds, this is considered more than adequate. A rough estimate of the cost of doing this work is indicated below:

First - AS-A conversion to AS-AA with narrow bandwidth and slow speed redundancy - $64,000.
Second - AS-A conversion to AS-AA with narrow bandwidth and slow speed redundancy - $82,000.
Present - AS-AA conversion to narrow bandwidth and slow speed redundancy - $39,000.

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OC-E/R&D-HF/PCV:mnk (17 September 1958)
cc: R&D Subject File
OSE
R&D Lab
Monthly Report
T.O. 3
T.O. 5
T.O. 9
T.O. 11
T.O. 12
R&D Chrono
HF Chrono

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ATTACHMENT B

[redacted]

1. [redacted]

2. [redacted]

3. [redacted]

4. [redacted]

5. [redacted]

6. [redacted]

7. [redacted]

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